

<b>Effective on 12/08/2004.</b> Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL for FY 2005</b>		Application Number	08/648,092
		Filing Date	5/17/1996
		First Named Inventor	Johnston William McAvoy
		Examiner Name	Z. Fay
		Art Unit	1614
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Attorney Docket No.	UNSYD-39709	
<b>TOTAL AMOUNT OF PAYMENT (\$)</b>		<b>\$180.00</b>	

**METHOD OF PAYMENT** (check all that apply)

☒ Check    ☐ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account Number: 06-2425    Deposit Account Name: Fulwider Patton et al.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below    ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17    ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid(\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Multiple Dependent Claims**

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 20 or HP = _____	x _____	\$50.00	= \$0.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ - 3 or HP = _____	x _____	\$200.00	= \$0.00

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	0	/ 50 _____ 0 (round up to a whole number) x	\$250.00	= \$0.00

**4. OTHER FEE(S)**

	Fee Paid (\$)
Non-English specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): <u>Supplemental IDS</u>	\$180.00

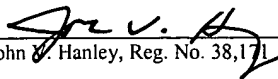
**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	38,171	Telephone	310-824-5555
Name (Print/Type)	John V. Hanley			Date	September 20, 2005



CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on September 20, 2005.

  
John V. Hanley, Reg. No. 38,171

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Inventor: Johnston William McAvoy  
and Coral Gwenda Chamberlain

Serial No. 08/648,092

Filed: May 17, 1996

For: A METHOD FOR PREVENTING OR  
CONTROLLING CATARACT

Examiner: Z. Fay

Group Art Unit: 1614

Client ID/Matter No. UNSYD-39709

September 20, 2005

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure, Form PTO-1449 is enclosed in order to inform the Examiner of art which may be material to patentability of the invention. The Examiner is requested to consider and cite the references in the examination.

09/26/2005 MAHMED1 00000038 08648092

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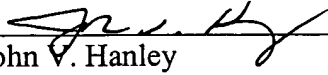
180.00 OP

A check in the amount of \$180.00 is enclosed to cover the fee under 37 CFR §1.17(p).

The Commissioner is authorized to charge any fee deficiency or credit any overpayment to  
Deposit Account No. 06 2425. A duplicate copy of this paper is enclosed.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By:   
John V. Hanley  
Registration No. 38,171

JVH/kst  
Howard Hughes Center  
6060 Center Drive, Tenth Floor  
Los Angeles, CA 90045  
Telephone: (310) 824-5555  
Facsimile: (310) 824-9696  
Customer No. 24201  
101882.1

<b>FORM PTO-1449 (Modified)</b> LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Docket No.: UNSYD-39709	Serial No.: 08/648,092
	Applicant: Johnston William McAvoy et al.	
	Filing Date: May 17, 1996	Art Unit: 1614

**UNITED STATES PATENT DOCUMENTS**

*Exr's. Inits.	Cite #	Patent No.	Date	Name	Class	Sub Class	Filing Date (if applic- able)

**FOREIGN PATENT DOCUMENTS**

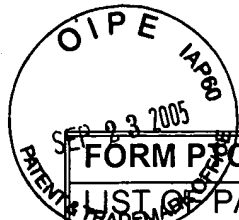
Exr's. Init.	Cite #	Document No.	Date	Country	Class	Sub	Translat ion? Yes No

**OTHER REFERENCES (Including Author, Date, Title, Pertinent Pages, Etc.)**

Exr's. Inits.	Ref.	Bibliographic Data
		Chamberlain, et al., "Induction of Lens Fibre Differentiation by Acidic and Basic Fibroblast Growth Factor (FGF)", Growth Factors, Vol. 1, pp. 125-134, 1989.
		McAvoy, et al., "Fibroblast growth factor (FGF) induces different responses in lens epithelial cells depending on its concentration", Development 107, pp. 221-228, 1989.
		McAvoy, et al., "The Role of Fibroblast Growth Factor in Eye Lens Development", Annals of New York Academy of Sciences, Vol. 638, pp. 256-274, 1991.
		Hales, et al., "Measurement of Lens Epithelial Cell Migration on a Laminin Substratum Using Image Analysis", Journal of Computer-Assisted Microscopy, Vol. 4, No. 2, pp. 135-139, 1992.
		McAvoy, et al., "Neural retinas promote cell division and fibre differentiation in lens epithelial explants", Department of Histology and Embryology, Vol. 3, No. 6, pp. 827-834, 1984.
		Parmigiani, et al., "The roles of laminin and fibronectin in the development of the lens capsule", Department of Histology and Embryology, Vol. 10, No. 6, pp. 501-511, 1991.
		Lovicu, et al., "The Age of Rats Affects the Response of Lens Epithelial Explants to Fibroblast Growth Factor", Investigative Ophthalmology & Visual Science, Vol. 33, No. 7, pp. 2269-2278, 1992.

Examiner	Date Considered
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\* Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. ¶ 609. Draw line through citation (i.e., ~~citation~~) if not in conformance and not considered. Include copy of this form with next communication to applicant.



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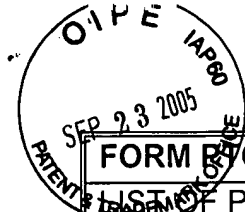
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Exr's. Inits.	Ref.	Bibliographic Data
		McAvoy, J.W., "Cell Lineage Analysis of Lens Epithelial Cells Induced to Differentiate into Fibres", Exp. Eye Res., Vol. 47, pp. 869-883, 1988.
		Lovicu, et al., "Structural Analysis of Lens Epithelial Explants Induced to Differentiate into Fibres by Fibroblast Growth Factor (FGF)", Exp. Eye Res., Vol. 49, pp. 479-494, 1989.
		Wyllie, et al., "Cell Death: The Significance of Apoptosis", International Review of Cytology, Vol. 68, pp. 251-307, 1980.
		Williams, et al., "Apoptosis: final control point in cell biology", Trends in Cell Biology, Vol. 2, pp. 263-267, 1992.
		Mohan, et al., "Macromolecular Organization of Basement Membranes", The Journal of Biological Chemistry, Vol. 261, No. 9, pp. 4328-4336, 1986.
		Novotny, et al., "Myofibroblast-like cells in human anterior capsular cataract", Virchows Arch, Vol. 404, pp. 393-401, 1984.
		Eshagian, Joseph, "Human Posterior Subcapsular Cataracts", Trans. ophthal. Soc. U.K., Vol. 102, pp. 364-368, 1982.
		Eshaghian, et al., "Human Posterior Subcapsular Cataract An Ultrastructural Study of the Posteriorly Migrating Cells", Arch Ophthalmol, Vol. 98, pp. 134-143, 1980.
		Green, et al., "Opacification of the Posterior Capsule", Trans. ophthalmol. Soc. U.K., Vol. 104, pp. 727-738, 1985.

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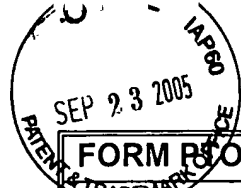
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Exr's. Inits.	Ref.	Bibliographic Data
		Schulz, et al., "Acidic and basic FGF in ocular media and lens: implications for lens polarity and growth patterns", Development, Vol. 118, pp. 117-126, 1993.
		Hales, et al., "TGF- $\beta$ 1 induces lens cells to accumulate $\alpha$ -smooth muscle actin, a marker for subcapsular cataracts", Current Eye Research, pp. 885-890, 1994.
		Twining, et al., " $\alpha$ 2-Macroglobulin Is Present in and Synthesized by the Cornea", Investigative Ophthalmology & Visual Science, Vol. 35, No. 8, pp. 3226-3233, 1994.
		Beebe, et al., "Transport and Steady-State Concentration of Plasma Proteins in the Vitreous Humor of the Chicken Embryo: Implications for the Mechanism of Eye Growth during Early Development", Developmental Biology, Vol. 114, pp. 361-368, 1986.
		Ando, et al., "MMPs and Proteinase Inhibitors in the Human Aqueous Humor", Investigative Ophthalmology & Visual Science, Vol. 34, No. 13, pp. 3541-3548, 1993.
		Hagedorn, et al., "Tenascin and decorin in epiretinal membranes of proliferative vitreoretinopathy and proliferative diabetic retinopathy", German J. Ophthalmol, Vol. 2, pp. 28-31, 1993.
		Paralkar, et al., "Transforming Growth Factor $\beta$ Type 1 Binds to Collagen IV of Basement Membrane Matrix: Implications for Development", Developmental Biology, Vol. 143, pp. 303-308, 1991.
		LaMarre, et al., "Biology of Disease Cytokine Binding and Clearance Properties of Proteinase-Activated $\alpha$ 2-Macroglobulins", Laboratory Investigation, Vol. 65, No. 1, pp. 3-14, 1991.

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Exr's. Inits.	Ref.	Bibliographic Data					
		Choi, et al., "Characterization of the Dermatan Sulfate Proteoglycans, DS-PGI and DS-PGII, from Bovine Articular Cartilage and Skin Isolated by Octyl-Sepharose Chromatography", The Journal of Biological Chemistry, Vol. 264, No. 5, pp. 2876-2884, 1989.					
		Yanagishita, et al., "Proteoglycans: Isolation and Purification from Tissue Cultures", Methods in Enzymology, Vol. 138, pp. 279-289, 1987.					
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